



HT CAREER PATH (SW)



Hull Maintenance Technician plans, supervises and performs fabrication, installation and repair of all types of shipboard structures, plumbing and piping systems. Organizes, supervises and trains personnel in maintenance, welding repairs and compliance with Quality Assurance (QA) work package procedures and references. Issues supplies and repair parts, instructs on and enforces safety and security precautions. This is a sea centric rating.

YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA SHORE FLOW	TYPICAL CAREER PATH DEVELOPMENT
26-30	HTCM	21.5 Yrs	CMC, SEA(Instructor)	36	4 th Shore Tour Billet: Training Manager, SWOS Advisor, Analyst. Duty: SWOS, RMC, IMA/F. Qualification: MTS, NEC 9517.
23-26	HTCM HTCS	21.5 Yrs 17.2	CMC, CSC	36	4 th Sea Tour Billet: Dept LCPO, 3MC. Duty: Ship. Qualification: 3MTT, DCTT, ITT.
20-23	HTCM HTCS HTC	21.5 Yrs 17.2 13	CWO, CMC, CSC, DAPA, RDC, Recruiter	36	3 rd Shore Tour Billet: LCPO, Lead Instructor, Inspector, Trainer, 3MC. Duty: RTC, RMC, IMA/F, SWOS. Qualification: MTS, NEC 9517.
17-20	HTCS HTC HT1	17.2 Yrs 13 8.7	LDO, CWO	36	3 rd Sea Tour Billet: LCPO, LPO, Lead Technician, 3MC. Duty: Ship. Qualification: SW, AW, DCTT, 3MTT. Schools/NEC: 4942 – 4946 (NDT), 9502 (Instructor).
14-17	HTC HT1	13 Yrs 8.7	LDO, CWO, Naval Academy, RDC, Recruiter	36	2 nd Shore Tour Billet: Instructor, Inspector, Trainer (Battle Station), LCPO/LPO. Duty: SWOS, RMC, IMA/F, RTC, NRD, NPTU(Ball). Qualification: MTS, NEC 4911 (Shipfit), 4942 – 4946 (NDT), 4952 (Pipefit), 4955 (Adv. Weld), 9502 (Instructor).
9-14	HTC HT1 HT2	13 Yrs 8.7 4	LDO, CWO	54	2 nd Sea Tour Billet: Technician, LPO, 3MC. Duty: Ship. Qualification: QAS, QAI, WCS, SW, AW, DCTT, NEC 4911 (Shipfit), 4942 – 4944 (NDT), 4952 (Pipefit), 4955 (Adv. Weld), 9502 (Instructor).
YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/SHORE FLOW	TYPICAL CAREER PATH DEVELOPMENT



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YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/ShORE FLOW	TYPICAL CAREER PATH DEVELOPMENT
6-9	HT1 HT2 HT3	8.7 Yrs 4 2	STA-21, LDO, Naval Academy	36	1 st Shore Tour Billet: RDC, Trainer (Battle Station), Recruiter, Instructor. Duty: RMC, IMA/F, RTC, NRD, SWOS. Qualification: QAS, QAI, WCS, MTS, NEC 4911 (Shipfit), 4942 – 4944 (NDT), 4952 (Pipefit), 4955 (Adv. Weld), 9502 (Instructor).
2-6	HT3	2 Yrs	NROTC, STA-21	54	1 st Sea Tour Billet: Technician. Duty: Ship. Qualifications: 3M and QA (CRAFTSMAN), WCS, SW, AW.
1+/-	HTFN HTFA Accession Training	9 Months			Recruit Training, "A" School.
YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO PROMOTE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/ShORE FLOW	TYPICAL CAREER PATH DEVELOPMENT

Notes:

1. HT is a sea centric rating (refer to Sea/Shore Flow front page). HTs must have the ability to hold a security clearance.
2. In rating shore duty located at shipyards, IMA/RMCs and as "A" and "C" school instructors. Out of rating shore duty is generally RDC and Recruiting duty.
3. Tours at NPC and BUPERS require screening.
4. There are few 4955 billets for HTC/HTCS/HTCM; this NEC is mostly needed at the HT3 through HT1 level.
5. NEC information:
 - a. 4911 - NAMTS Shipfitter performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level maintenance procedures in fabricating and installing flat and/or complex metal forms in support of Fleet-directed requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet-specified tasks for this skill and demonstration of advanced-level proficiency during hands-on training and production work as specified in the current Job Qualification Requirement (JQR).
 - b. 4942 - VT, MT and PT NDT Inspector performs nondestructive tests using Visual, Magnetic Particle and Liquid Penetrant inspection methods in accordance with standards set forth in NSTM Chapter 074, Volume 2.
 - c. 4943 - VT, MT, PT and RT NDT Inspector performs nondestructive tests using Visual, Magnetic Particle, Liquid Penetrant and Radiographic inspection methods in accordance with standards set forth in NSTM Chapter 074, Volume 2.



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d. 4944 - VT, MT, PT and UT Inspector performs nondestructive tests using Visual, Magnetic Particle, Liquid Penetrant and Ultrasonic inspection methods in accordance with standards set forth in NSTM Chapter 074, Volume 2.

e. 4946 - Non-nuclear NDT Examiner performs supervisory level duties in the NDT field. Provides on the job training, examining, qualifying, and monitoring nondestructive test personnel. Develops and administers written and practical certification/recertification examinations in accordance with NSTM Chapter 074, Volume 2. Demonstrates strong technical competence and knowledge in the Visual Magnetic Particle, Liquid Penetrant, one or both Ultrasonic and Radiographic testing disciplines, and the applicable technical documents.

NEC code 4946 is to be awarded upon successfully certifying as an Examiner in the VT, MT, PT and one or both UT and RT inspection methods for nonnuclear applications. Certification examinations shall be administered in accordance with NSTM Chapter 074, Volume 2. Applicant must have a minimum of one year as a HT-4943 and/or 4944 and hold the rank of E-7 or above. (WAIVERS MAY BE GRANTED FOR E-6 PERSONNEL PROVIDED ALL OTHER PREREQUISITES ARE MET AND WAIVER SUBMITTED IAW CHAPTER 074 VOLUME 2). Personnel will retain previously earned Component NEC (4943 and/or 4944) upon being awarded NEC 4946.

f. 4952 - NAMTS Pipefitter performs Navy Afloat Maintenance Training Strategy (NAMTS) intermediate-level maintenance procedures fabricating and installing piping in support of Fleet-directed requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of IMA industrial machinery. Award of this NEC is based on documented completion of Fleet specified tasks for this skill and demonstration of advanced-level proficiency during hands-on training and production work as specified in the current Job Qualification requirement (JQR).

g. 4955 - Advanced Welder are qualified under NAVSEA 05 Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification, to perform categories A, B, C, D and E welds of NAVSEA 05 Technical Manual S9086-CH-STM-010/CH-074, Welding and Allied Process.

NEC code 4955 personnel in paygrades E7, E8 and E9 may be assigned as welding supervisors.

Prerequisites: HT "A" School Graduate after October 1999, or previously qualified NEC code 4954, or two years Fleet experience in the HT rating.